

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (Previously Presented) A methodology framework for analyzing technology system including a plurality of components and for designing security into that system, the framework comprising:

a first system which identifies the security threats for the solution;

a second system having a security reference model comprising a plurality of interrelated and interdependent security subsystems, the security subsystems further comprising an audit subsystem, an integrity subsystem, and an information flow control subsystem, the second system to determine security properties and functions of the information technology system in terms of the security subsystems;

a third system which is coupled to the second system and which allocates security properties to the components of the information technology system based upon the selected functions which are derived from the nature and number of the security subsystems within the information technology system;

a fourth system which is coupled to the third system for allocating the security properties to the components of the information technology system and which identifies functional requirements for the components, in terms of the Common Criteria, in order to comply with the security properties of the component allocated by the third system; and

a fifth system which is coupled to the fourth system and which documents the requirements for the security components for the information technology system.

2. (Previously Presented) A framework for designing security into an information technology system including the elements of Claim 1 wherein the second system which identifies security properties of the information technology system includes a component which uses security subsystems for identifying security properties.



3. (Previously Presented) A framework for designing security into an information technology system including the elements of Claim 2 wherein the standard criteria for identifying security properties includes a system which maps functions of security subsystems to an ISO standard 15408, also known as Common Criteria.
4. (Previously Presented) A framework for designing security into an information technology system including the elements of Claim 1 wherein the framework further includes a system which documents the solution and the security assumptions using a solution design security methodology.
5. (Previously Presented) A framework for designing security into information technology system including the elements of Claim 4 wherein the framework further provides integrity assurance requirements using a standard set of criteria.
6. (Previously Presented) A framework for designing security into an information technology system including the elements of Claim 5 wherein the standard set of criteria are in accordance with ISO 15408.
- 7-20. (Cancelled)